



An ISO 9001:2015 Certified

HEAVY DUTY COMPUTER CONTROLLED VERTICAL HONING MACHINE ARI-HONE 300 VA CNC



- Designed for bores with an ID of 50-300mm
- PLC controlled with a large colour touch screen for ease of use and setup.
- Vertical servo stroking mechanism improves geometry over previous generation, similarly priced machines.
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Constant Torque 7.5 kW Spindle permits high stock removal rates on even tough material like compacted-graphite iron. Standard spindle speed is 0-300 rpm – with an option of 0-600 rpm – and a maximum stroke rate of 120 spm





ARIHANTS high-precision honing systems represent the very finest solutions available anywhere in the world. They are reliable, durable, and flexible systems designed to deliver the production quality and precision our customers have grown to expect.

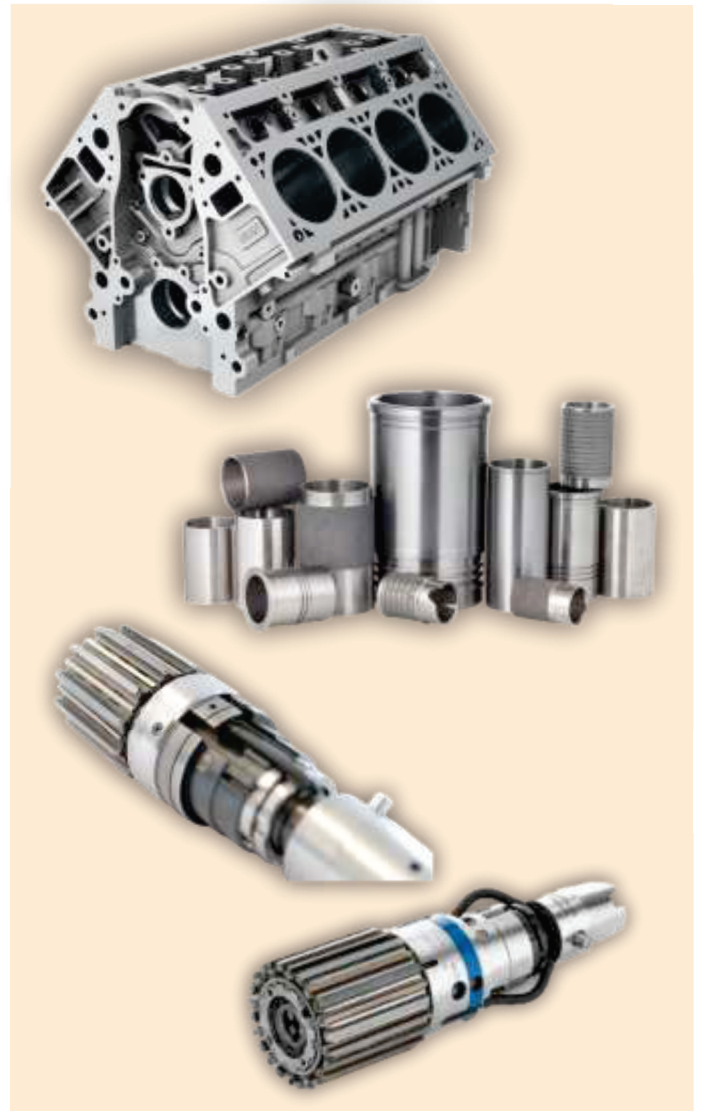
From design to delivery, you have the ARIHANT commitment to service and quality assurance. Our technical experts will work with you to determine the number of spindles, style of tooling, fixturing, abrasives, in-process and/or post-process gaging, and method of parts loading and unloading (including robotics) you require. Then we'll provide you a written proposal.

After your system is built, we'll set up a live run-off demonstration at our facility. Once it meets all specifications, we'll commission your system and train your staff.

Designed for mid to high -volume production, the Arihant ARI-HONE 300 VA CNC is the first competitively priced medium to big part honing machine on the market. With a proven ball screw servo stroking system, the Arihant ARI-HONE 300 VA CNC produces precise bore geometries on compressor blocks, oil field components, multi-bore gas/diesel engine blocks and other similar applications. Ideal for both job shops and repair facilities, the ARI-HONE 300 VA CNC is available with a variable-speed spindle motor, powerful enough to drive two-stage, metal-bond, diamond abrasives for short cycle times with high accuracy and minimal labour.

The ARI-HONE 300 VA CNC drives diamond abrasives in the production or job shop. Standard & Optional Features

Variable speed 50-300 rpm, spindle motor is powerful enough to drive two-stage, metal-bond, diamond abrasives for short cycle times with high accuracy and minimal labour and has more torque than previous machines.



The front loading design and weight capacity of up to (1000 kg) combine in versatility in honing a wide range of parts. PLC-controlled with a large 8 in. colour touch screen that is rugged and eliminates cumbersome buttons that collect oil, dirt and grime. The swivelling operator panel can be adjusted for viewing from a variety of positions.

Servo rotary / linear tool feed system can be used with two-stage hone heads to complete roughing and finishing without stone changes for faster processing times. Rough to finish changeover is four times faster than previous models.

Proven servo ball screw stroking system allows for increased flexibility and performance. Heavy-duty welded base for durability. Easy to remove pans for cleaning and longer filter life.

Fast Changeover: Most tools can be changed in less than five minutes.

Specifications:

Diameter Range (ID) : 50 - 300 mm
 Workpiece Weight : 1000 kg
 Stroke Travel Options : 700 / 1000 /1500
 Reciprocation Rate : 120 strokes per minute max
 Stroke Motor : Servo 7.5 kW (10 hp)

Spindle Speeds : 0- 300
 Spindle Motor : 7.5 kW / 9 kW
 Feed : Servo Rotary - Lienier
 Floor Space : 2210 W x 2056 D x 2275 H mm
 (Without Coolant Tank Option)
 Floor Weight : 4000 kg approx.



**ARIHANT HONING
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— AN ISO 9000 -2015 COMPANY —

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